

Converting Colors

$Y_{xy}(56.9169, 0.2855, 0.5479)$

Have a look what the booklet for
Yxy(56.9169, 0.2855, 0.5479)
contains.

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Color

Yxy(57.2028, 0.2854, 0.5475)

Conversions

Conversions Part 1

Format	Color
Hex	00E652
RGB	0, 230, 82
RGB Percent	0%, 90%, 32%
CMY	1.0000, 0.0980, 0.6783
CMYK	1.00, 0.00, 0.64, 0.10
HSL	141°, 100%, 45%
HSV	141°, 100%, 90%
XYZ	29.8186, 57.2028, 17.4586
YIQ	144.3580, -89.5720, -94.7880

Conversions

Conversions Part 2

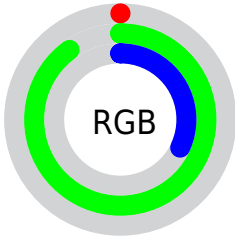
Format	Color
RYB	0, 170, 230
Decimal	58962
CIELab	80.29, -75.31, 57.37
CIELCh	80, 94.675, 142.702
Yxy	57.2028, 0.2854, 0.5475
Android (android.graphics.Color)	4278249042 (0xFF00E652)
YUV	144.3580, -30.7425, -126.6020
Hunter-Lab	75.6325, -61.9822, 39.2566

Details

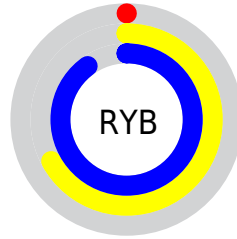
The Yxy color **57.2028, 0.2854, 0.5475** is a dark color, and the websafe version is hex **33FF66**. The color can be described as dark washed green. A complement of this color would be **18.9611, 0.4385, 0.2189**, and the grayscale version is **28.1985, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.6411, 0.2931, 0.4810**, and **29.9413, 0.2973, 0.5904** is the 20% darker color. If you saturate the color by 10%, you get **57.2066, 0.2854, 0.5475**, and if you desaturate by 10%, it is **57.6390, 0.2820, 0.5278**.

Distribution



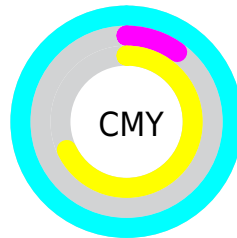
- Red (0%)
- Green (90%)
- Blue (32%)



- Red (0%)
- Yellow (67%)
- Blue (90%)



- Cyan (100%)
- Magenta (0%)
- Yellow (64%)
- Black (10%)




- Cyan (100%)
- Magenta (10%)
- Yellow (68%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 57.2028, 0.2854, 0.5475 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 57.2028, 0.2854, 0.5475 by changing the saturation by 10% instead.

 57.2028, 0.2854,
0.5475


 57.2028, 0.2854,
0.5475


414.2088, 0.3061,
0.4328


 41.1681, 0.2779,
0.5765


 100.7610, 0.2946,
0.5052

 28.4504, 0.2671,
0.6132


 129.0534, 0.2976,
0.4895


 18.6655, 0.2507,
0.6604


 162.2003, 0.2999,
0.4762

 11.4288, 0.2249,
0.7216

 200.5863, 0.3017,
0.4649

 6.3560, 0.1866,
0.8134

 244.5958, 0.3031,
0.4552

 3.0628, 0.0883,
0.9117

294.6131, 0.3043,

 1.1646, 0.0000,

0.4467

1.0000

351.0226, 0.3053,
0.4393

■ 0.0325, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 57.2028, 0.2854,
0.5475

■ 57.2028, 0.2854,
0.5475

■ 57.2066, 0.2854,
0.5475

■ 57.6390, 0.2820,
0.5278

■ 58.3394, 0.2800,
0.5053

■ 59.3795, 0.2798,
0.4810

■ 60.8021, 0.2814,
0.4558

■ 62.6429, 0.2846,
0.4309

■ 64.9338, 0.2890,
0.4069

■ 67.7032, 0.2943,
0.3845

■ 70.9772, 0.3002,
0.3639

■ 74.7801, 0.3064,
0.3454

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



57.2028, 0.3925, 0.5444



57.2028, 0.2854, 0.5475



57.2028, 0.1907, 0.4330

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



57.2028, 0.2854, 0.5475



57.2028, 0.1439, 0.1653



57.2028, 0.5264, 0.3123

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



57.2028, 0.2854, 0.5475



18.9611, 0.4385, 0.2189

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



57.2028, 0.4279, 0.2442



57.2028, 0.2854, 0.5475



57.2028, 0.2009, 0.1641

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



57.2028, 0.2854, 0.5475



57.2028, 0.1228, 0.2019



57.2028, 0.3003, 0.1916



57.2028, 0.5434, 0.3877

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



57.2028, 0.2854, 0.5475



57.2028, 0.1490, 0.3335



57.2028, 0.3003, 0.1916



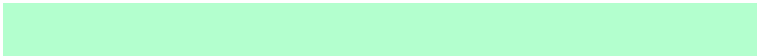
57.2028, 0.5012, 0.2886

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



57.2066, 0.2854, 0.5475



85.4900, 0.2942, 0.3848



63.0339, 0.3583, 0.5537



17.9655, 0.2918, 0.3941



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



57.2066, 0.2854, 0.5475



72.2745, 0.2857, 0.5485



60.5599, 0.2382, 0.3776



16.1737, 0.3067, 0.3445



32.4065, 0.2846, 0.5446



2.4120, 0.2764, 0.5149

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



18.9611, 0.4385, 0.2189



23.9421, 0.4394, 0.2194



16.9424, 0.6218, 0.3199



14.5234, 0.3192, 0.3140



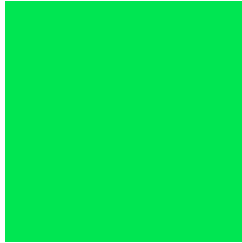
10.7582, 0.4362, 0.2177



0.8125, 0.4150, 0.2060

Previews

White Background



This preview shows how the Yxy color 57.2028, 0.2854, 0.5475 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 57.2028, 0.2854, 0.5475 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

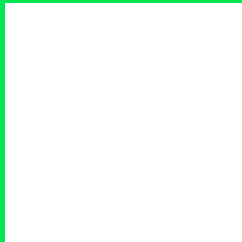
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 57.2028, 0.2854, 0.5475

Background



This preview shows how black text looks on a background with the Yxy color 57.2028, 0.2854, 0.5475.

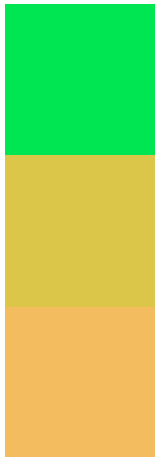


This preview shows how white text looks on a background with the Yxy color 57.2028, 0.2854, 0.5475.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

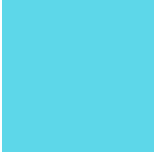
57.2028, 0.2854, 0.5475

Protanopia

56.0848, 0.4192, 0.4618

Deuteranopia

55.8473, 0.4337, 0.4248



Tritanopia

56.8112, 0.2339, 0.3053

Trichromacy



Original Color

57.2028, 0.2854, 0.5475



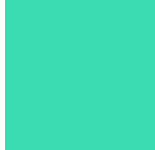
Protanomaly

52.1904, 0.3434, 0.5096



Deuteranomaly

50.4186, 0.3510, 0.4820



Tritanomaly

55.3306, 0.2501, 0.3905

Monochromacy



Original Color

57.2028, 0.2854, 0.5475



Achromatopsia

27.8894, 0.3127, 0.3290



Achromatomaly

34.3157, 0.2864, 0.4236

CSS Examples

Text

The CSS property to change the color of the text to Yxy 57.2028, 0.2854, 0.5475 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(0, 230, 82)` looks like.

```
.text, #text, p{  
    color:rgb(0, 230, 82)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(0, 230, 82) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 230, 82) }
```

Border

The CSS property to change the border of an element to Yxy 57.2028, 0.2854, 0.5475 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(0, 230, 82) }
```

If only the border color should be changed use the property border-color.

```
.border{ border-color:rgb(0, 230, 82) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel rgb(0, 230, 82) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 230, 82); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 230, 82);  
box-shadow:4px 4px 4px 4px rgb(0, 230, 82)  
}
```


Background

The CSS property to change the background color of an element to Yxy 57.2028, 0.2854, 0.5475 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 230, 82) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(0, 230,  
82) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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